

Robert Armstrong at the March Meeting.

The Microvolt

April/May 2003

Please Send Dues to:

UARC

c/o Gregg Smith

7546 S. Uranium Drive

West Jordan, UT 84084-3942

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Prologue

The Utah Amateur Radio Club was organized under its present name in 1927, although its beginnings may date back as early as 1909. In 1928, it became affiliated with the American Radio Relay League (club #1602) and is a non-profit organization under the laws of Utah. It holds a club station license with the call W7SP, a memorial call for Leonard (Zim) Zimmerman, an amateur radio pioneer in the Salt Lake City Area.

Meetings: The club meets each month except July and August. The meetings are held on the first Thursday of the month at 7:30 PM in the University of Utah Engineering and Mines Classroom (EMCB) building, Room 101.

Membership: Club membership is open to anyone interested in amateur radio; a current license is not required. Dues are \$15 per year, including a *Microvolt* subscription. The Microvolt and membership cannot be separated. Those living at the same address as a member who has paid \$15 may obtain a membership without a Microvolt subscription for \$9. Send dues to the Club Secretary: Gregg Smith, K7APW, 7546 S. Uranium Dr., West Jordan, UT 84084-3942. ARRL membership renewals should specify ARRL Club #1602.

Contributions: Monetary contributions are gladly accepted. Send directly to the Club Treasurer: Chuck Johnson, 1612 W. 4915 S. Taylorsville, UT 84123-4244. For in kind contributions, please contact any board member to make appropriate arrangements.

Repeaters: UARC maintains the 146.62- and 146.76- repeaters. The repeaters are administered by the UARC Repeater Committee. Comments and questions may be directed to any Committee member. The Lake Mountain repeater (146.76-) has autopatch facilities on both the Orem exchange (covering Santequin to Lehi) and the Salt Lake City exchange (covering Draper to Layton). The 449.10 repeater has autopatch facilities into Salt Lake City only available to UARC members. Due to the volume of traffic, only mobiles should use this autopatch. Autopatch use is open to all visitors to our area and to all club members. Non-members who wish to use the autopatch are encouraged to help with the cost of maintaining the equipment by joining the club.

Ham Hot-Line: The Utah Amateur Radio Club (UARC) has a Ham Hotline, 583-3002. Information regarding Amateur Radio can be obtained, including club, testing, meeting, and membership information. If no one answers leave your name, telephone number and a short message on the answering machine, and your call will be returned.

Publication: The Microvolt is the official publication of the club. Deadline for submissions to the Microvolt is the 10th of each month prior to publication. Submissions by email are preferred (uarc@xmission.com), but other means including diskettes and typewritten submissions can be mailed directly to: Tom Schaefer, 11678 Littler Rd., Sandy, UT 84092. All submissions are welcome but what is printed and how it is edited are the responsibility of the Editor and the UARC board. Reprints are allowed with proper credits to *The Microvolt*, UARC, and authors. Changes in mailing address should be communicated to the Club Secretary: Gregg Smith, 7546 S. Uranium Dr., West Jordan, UT, 84084-3942.

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Executive VP: Laurie "Mac" McCreary, K7LMM	571-5759
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Field Day Chair: Laurie "Mac" McCreary, K7LMM	571-5759
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Engineer: Randy Finch, K7SL	277-7135
ATV Engineer: Clint Turner, KA7OEI	566-4497
Board Liaison &	
Autopatch Engineer: Gordon Smith, K7HFV	582-2438
Provo Autopatch Host &	
ATV Engineer: Dale Jarvis, WB7FID	224-3405
Repeater Monitor: Allen Wright, N7QFI	268-8482

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For late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to:

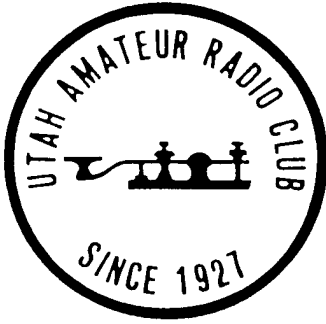
www.xmission.com/~uarc/announce.html

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The Microvolt

The Official Publication of the Utah Amateur Radio Club, Salt Lake City, Utah
Volume 47, Issue 4, April/May 2003



QST from the Prez

Brett Sutherland, N7KG

Well, hardly seems like it, but it is time to start thinking about Field Day. If you've been before, you most likely have an instant impression at the mere mention of the words. If not, no doubt you've heard of it before. Either way, read on.

Field Day embodies ham radio. It's emergency preparedness. It's station setup. It's antennas. It's HF, VHF, packet, sometimes satellite, voice, phone and more. Field Day is camping. It's radio up to your armpits. But most of all, Field Day is fun.

I attended my first Field Day shortly after getting my ticket. I had no idea what it was all about. I'd just heard talk of it on the '62 and thought I'd give it a go. I planned on going down Saturday afternoon to check it out and then go back home. Once there, I didn't want to leave. From then on I was hooked. Since then, I've missed only once. It has become an annual event for my family. The kids love it, I love it, and my wife says she loves it! It's ham heaven.

So bottom line, for your own enjoyment I'm asking you to put it on your calendar. Field Day is always the fourth full

weekend in June, which this year will be June 28-29, although you might want to plan on coming up on Friday and spending the weekend.

Now for the down and dirty. Field Day doesn't just happen. It takes a lot of coordination, and now is the time. Lauri "Mac" McCreary, K7LMM is this year's Field Day Chairman. He is very excited about the event. However, he is somewhat at a handicap. Mac has two weddings between now and Field Day - his daughters and his own. Congratulations to Mac. I'm sure he has his hands full.

Every Field Day is an effort of everyone attending. Whether you will be there or not, you can help this year. We will need help with planning how many stations to run, what kind of rigs, what the goals will be, shelter, food, operating schedules, modes and more than can be mentioned here.

You may have noticed a theme I've had. Just in case you've missed my other articles, let me elucidate. Volunteer. Spend some extra time in ham radio this year. There is no better way to learn and peak your interests than to be active in the hobby. Call Mac and ask what you can do to help with this Field Day. He would be most grateful and can be reached at K7LMM@attbi.com

Now, let me change subjects. We have a tremendous resource that is going unused. You may not know that UARC has a Yahoo Groups email reflector. There are currently a little over 100 people signed up for it. The reflector sees very little traffic. If you have a question about anything in ham radio, you can ask it on the reflector. There is a great deal of experience available, just for the asking. If you would like to participate in the reflector, send an email to utahamateurradioclub-subscribe@yahoogroups.com

Should you have any questions or suggestions, please don't hesitate to let me know. I look forward to seeing you at the next meeting and at Field Day

73 de N7KG Brett

Elmer List

Brett Sutherland, N7KG

Topic	Elmer Name
Antennas	Available
APRS	Steve Baxter - K7SRB Tom Schaefer, NY4I
Awards	Available
Circuit Design	Available
CW	Gary Openshaw – KC7AWU
DF'ing	Available
DSP	Available
DX'ing	Available
EME	Available
EMI	Available
Emergency Communications	Available
HF Contesting	Available
HF Digital	Ron Speirs – K7RLS
HF Mobile	John Hays – K7VE Brett Sutherland – N7KG
HF Propagation	Available
HF Station Setup	Dean Lang – WA9AZK
Homebrew	Chuck Johnson – WA7JOS Ron Speirs – K7RLS
IRLP	Available
License Upgrade	Available
Linux for Radio	Brent House – KD7ICT
Mountain Topping	Available
Operating Practices	Dean Lang – WA9AZK
QRP	Andrew Madsen – AC7CF
Repeater Construction & Maintenance	Available
RFI	Available
Satellite	Ron Speirs – K7RLS
Slow Scan ATV	John Hays – K7VE
Software Defined Radio	Available
Spread Spectrum	Available
Traffic Handling	Available
VHF Contesting	John Hays – K7VE
VHF Digital	John Hays – K7VE Ron Speirs – K7RLS
VHF Station Setup	Ron Speirs – K7RLS

Steak Fry Date Set

Gordon Smith, K7HFV

UARC's annual steak-fry will be held on the afternoon of Saturday, July 19. Tickets will be available starting at the April meeting.

The steak-fry is one of the club's most popular activities each year. A steak dinner in the mountains is combined with a mini swap meet and a chance to get acquainted or re-acquainted with the people we talk to on the air.

The event will be held again in the campground called “The Spruces” in Big Cottonwood Canyon. (That's the canyon that goes to Solitude and Brighton.)

It may seem awfully early to be thinking about a mid-summer event, but there will be only two opportunities to buy tickets in person at a meeting.

Prices will be the same as last year:

Members	\$3.00
Non-member adults	\$10.00
Children	\$4.00

Contact the club Secretary, Gregg Smith, K7APW, to get your reservations.

N7QFI, SK

Gordon Smith, K7HFV

We sadly note the passing of Allen Wright, N7QFI. Allen was found on the floor of his home on the morning of Saturday, March 29. Cause of death was apparently a heart attack brought on by a long-standing pulmonary problem.

Allen was a tireless volunteer for UARC for many years. He monitored the 146.76 autopatch almost 24 hours a day and made it possible for the club to continue autopatch operation despite numerous attempts at misuse. Allen also helped identify and take off the air several unlicensed operators.

Many may remember Allen as the one who made sure our building was ready for us and properly closed up afterwards during the years that the club met at the County Fairgrounds.

For Sale

ICOM 738 HF radio. Great shape, 400 Hz CW filter, Homebrew Rig control interface, Homebrew PSK interface FM, memories, Speech Processor, Great PBT and Notch filtering. Great CW rig as it has a key jack and paddle jack. \$700

ICOM IC271A 2m Base CW/SSB/FM (with the preamp). Great condition. \$450

Cushcraft R7 vertical. No radial _ wave HF antenna 40m – 10m. \$150

Contact Tom Schaefer, NY4I ny4i@arrl.net or 801-736-2062

Member of the Month

Linda Reeder, N7HVF



This month we are featuring Dale Sargent KD7NMJ. Dale has been in the hobby for three and a half years. He has his technician license. Dale has been exposed to amateur radio all of his life. His father Ralph KC7BB has his advanced license. Dale's uncle Kenneth also has his ham license W7LFT. Dale always wanted to get into the hobby, but he was involved in so many other things. So, amateur radio got put on the back burner. Dale says he has always had a technician mind. He has been a technician by trade and it all has been technical work. Dale has worked in the military for 6 years as an ATC Radar Tech. Then he got a job in two-way radio for Utah Communications. For a while Dale worked for Evans and Sutherland. He also worked in Alaska in the electronics industry.

Dale lives high in the mountain north of Park City in a cabin at 7,250 feet elevation. He is very isolated. This is why Dale thought it was very important to get into amateur radio. This gives him a chance to open his mind and talk to other people. He is working on the code right now and hopes to upgrade too. Dale has a station with solar back up power and a bank of lead acid batteries. Dale is a member of the UARC board as the assistant *Microvolt* editor. He is in charge of mailing the *Microvolt*. He separates them by ZIP codes and puts them in

separate bags. Dale said it is his pleasure to assist the club members. He says he appreciates the good time we have as a club. With the time Dale has left over after fighting with the raccoons where he lives, he talks on the radio. Dale we appreciate all you do for UARC and wish you the best in all your endeavors.

Upcoming Testing Sessions

Date	Location	Contact
4/29/2003	Salt Lake	Eugene McWherter 484-6355
4/30/2003	Ogden	S. Michael Stanford, 393-3912
5/10/2003	Tremonton	Bob Andersen, (435) 257-2154
5/21/2003	Provo	Steve Whitehead 465-3983
5/27/2003	Salt Lake	Eugene McWherter 484-6355
6/7/2003	Salt Lake	Gordon Smith 582-2438

Communication Products Amateur Radio Sales

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**Come See the New ICOMs
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Lines Now On Display**

<http://www.commproducts.net>

**Bob Wood, W7OAD
UARC Member**

Are You Ready?

**Russ Scholz, K7MRS, EC Salt Lake County
A.R.E.S., Inc.**

I am writing this on Friday 3/21/03, and the ongoing war with Saddam Hussein and his dictatorship seems to be going well for the USA and Allies. We can sit in a very comfortable chair watching events unfold on the televised war and easily forget about our responsibility to ourselves, family and community, to be prepared. As EMCOMM amateur radio operators, we must make sure that we are ready to support any call that we receive from civil authorities for emergency communications work. If you have not taken action to ensure that all your radio equipment is up to par for emergency use, **it is time**. Are your batteries fully charged? Is your grab and go kit ready for use? Is your family plan current? Are we prepared for the almost certain attempt of terrorist attacks somewhere within our country? I certainly hope terrorist activity is not the reason that any call comes to activate the Salt Lake County ARES and other EMCOMM operators. But, be proactive; be prepared.

Utah Governor Signs Antenna Bill

From the ARRL Letter

Utah Gov Michael Leavitt has signed that state's Amateur Radio antenna bill, HB 79. The bill unanimously passed a third reading in the Utah Senate February 14 on a 23-0 vote, less than a month after it was introduced. It had earlier passed the Utah House on a 65-8 vote. Leavitt signed the bill March 15. It becomes effective May 5. "Thanks to the hams who originated the bill and defended it in its committee hearings," said a comment on the Utah Amateur Radio Club's "News About UARC and Ham Radio in Utah" Web site <http://www.xmission.com/~uarc/announce1.html#prb1bill>. "Thanks also to those who contacted their state senators and representatives and helped assure passage."

Sponsored by Rep Neal B. Hendrickson, HB 79, "Regulation of Amateur Radio Antennas," prohibits municipalities and counties in Utah from enacting ordinances that fail to comply with the limited federal preemption known as PRB-1. The measure requires local ordinances involving placement, screening or height of an Amateur Radio antenna that are based on health, safety or aesthetics to "reasonably accommodate amateur radio communications" and to "represent the minimal practicable regulation to accomplish the municipality's purpose."

ARRL Utah Section Manager Mel Parkes, AC7CP, has

credited Mike Davis, KD7FQD, and John Hanson, KI7AR, for developing the bill and getting Hendrickson to sponsor it. A copy of the legislation is available on the Utah State Legislature Web site

<http://www.le.state.ut.us/~2003/bills/hbillint/hb0079.htm>.

Utah becomes the 17th state to enact an Amateur Radio antenna bill. PRB-1 bills are under consideration in several other states, including New York, New Jersey and California.

Varsity Scouting Big Event

Curt Wilbur K7CU

Each year the Great Salt Lake Council, Boy Scouts of America, organizes the Varsity Scout Big Event. This is a council-wide camping and activity event for all Varsity Scouts and their leaders. Hands-On activities in over 40 events are provided. The Council has asked for a ham radio event to provide an opportunity for the scouts to learn about our great hobby. Any one with a desire to share his or her experiences is invited to volunteer.

Who: any licensed amateur. It would be particularly good to have young hams that could encourage the scouts to join the hobby.

When: June 18-21 [you don't have to stay the whole time]

What is needed: HF, VHF, PSK31, antennas, generators, public service, large tent, etc.

Families: families are invited to participate. Bring a tent, trailer, or camper. Bring your mountain bikes (helmets required) and enjoy a fun camp with your family.

Food: cook your own or participate in the staff commissary (\$21.00 for 7 meals)

Callsign: We have been authorized to use K2BSA/7 for this event. The event will be published in the June issue of *QST*, which will be received during the latter part of May.

This is a great event. I guarantee that all who participate will have a memorable and enjoyable experience. Come help activate K2BSA/7!

We need volunteers. Please contact:

Curt Wilbur K7CU
597-8945 (cell); 298-0117 (home)
k7cu@arrl.net

Rumored Demise Greatly Exaggerated

Tom Schaefer, NY4I

It has come to my attention that some hams in the Salt Lake area seem to have nothing better to do that create and spread rumors. The rumor de jour seems to be that Bob Wood's radio store, Communication Products is no longer in business. **I am here to state categorically that that is untrue. The store is in full operation and provides a great local resource.** Bob has added some other hobbies to his sister store, Some Dude's Hobby Shop, but that only complements the amateur radio product lines. For example, did you know that people that fly Radio Controlled (RC) planes that are also ham radio operators can use control frequencies not available to the general public? How about putting a small camera and an ATV transmitter on a plane or helicopter? Even in other hobbies there are great applications of amateur radio. So, besides the fact that Bob has been a very generous supporter of UARC and hamfests in the area, it is just common courtesy to not make (or repeat) statements about things that are simply untrue. I assure everyone that if something like this did happen, it would be announced in the Microvolt and at a meeting. So, if you hear someone on a repeater spewing this nonsense, please do all of us in the valley a favor and correct the parties involved. I suspect like many of the infamous rumors on the Internet, people repeat them without even bothering to check if they are true because after all, that would require some thought and effort.

ARRL Challenge Grant

Mac McCreary, K7LMM

As those of you who are ARRL members know, this organization has been soliciting donations from its membership. These donations are used for several purposes, all of which are intended to enhance the hobby in some way. I have personally contributed to two of these causes: The Big Project Fund and The Spectrum Defense Fund. As a new ham, I want to have a future with this hobby that I have come to appreciate so much. All one has to do is read about hams in other countries (even progressive "westernized" countries like Great Britain; currently limited to 100W) to more fully appreciate what we Americans have as amateur radio service operators. For example, in China there is a minimal time that amateurs must spend at each license level. Chinese hams cannot skip levels even with demonstration of knowledge and proficiency. Personal ownership of amateur radio gear is VERY limited. Most Chinese hams are forced to use club stations.

Here is my proposal: I will match dollar for dollar contributions by UARC members to either The Big Project Fund or The Spectrum Defense Fund up to a maximum of \$1,000 for each fund. The deadline for this offer is September 30, 2003. Send me an email detailing the fund and the amount of your contribution. My email address is k7lmm@arrl.net. I will total the contributions at the end of September and write a check to each fund for the amount contributed by UARC members. You have shown your generosity in the past. I know you will help this time as well.

As an aside, ARRL membership is a great benefit to ALL of the ham community. If you have not joined the ARRL or if your membership has expired, please seriously consider doing so as soon as possible. Thanks in advance for your attention to this solicitation.

73, Mac K7LMM.

May Meeting

Gordon Smith, K7HFV

There was once a time when you only heard two modes on the CW bands: CW itself, and radio teletype (RTTY). How things have changed! Now there is a large assortment of digital modes available and about all you need to get on most of them is a home computer.

Stan Gordon, K7JIZ, is going to be our speaker on May 1, and will tell us something about the computer-accessible modes. Stan has been having fun with the digital modes for several years and will tell us what it is like to operate them. Some are easy to tune in, some are low bandwidth, and some will get you around the world, even under bad conditions.

Stan will compare the modes, show us what they sound like, tell us what their advantages are, and give us an idea what it takes to set up a station to work them.

The UARC meetings are held in Room 101 of the Engineering/Mines Classroom Building (EMCB) on the University of Utah campus. Meeting time is 7:30. An orientation meeting for newly licensed hams or those new to VHF FM is held at 7:00. See the UARC website for a map and instructions.

Of course, even in the new location, we continue to have all the "standard" features of UARC meetings including a chance to check out the latest ARRL books from Fred the book lady, eyeball QSOs, and the chance to join ARRL or UARC. Finally, there will be the "meetings after the meeting" which provide a chance to continue the eyeball QSOs over pizza or other gastronomic delights.



Utah Hamfest 2003



ARRL UTAH STATE CONVENTION

Ruby's Inn - Bryce, Utah

July 11,12,13 2003 (Friday, Saturday & Sunday)

Ruby's Inn - Bryce, Utah (1 mile north of Bryce Canyon)

Visit the following Web sites for more details: www.utahhamfest.org, www.RubysInn.com

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Activities Include:

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Dutch Oven Dinner
Breakfast Banquet
Dealers
Outside Swap Meet Area **Free** (Bring your own table)
Seminars and Forums
Women's and Children's Events
Contests:
CW & QLF
Mobile Installation,
Transformer Toss
Transmitter Hunts (a new challenge)
Prize Drawings
Wouff Hong
VE Amateur License Exams (Pre-Registration Required)
Contact Fred Villanueva, N7FV – N7FV@arrl.net or Villa72@Juno.com

Accommodations:

Ruby's Inn (Special Rates prior to June 21)

2 Queen Beds \$70
Pool Side \$90
Lodge across street \$50
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Call: 1-435-834-5341 Ext. 7222
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Accommodations	For 2	For 8
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Electric & Water	\$23	\$35
Tent Spaces	\$15.50	\$26.50
Tipi Rental	\$23	\$35

Call: 1-435-834-5301 Fax 1-435-834-5481

Grand Prize: Mobile HF Rig Pre-Registration Prize: Handheld

Registration Information: Mel Parkes, AC7CP – ac7cp@arrl.org

Before June 21st: Adult (18 and over) \$8.00, Youth (17 & Under) \$3.00 (**No mail-ins after June 21, 2003**)

At the Door: Adult \$11 and Youth \$5.00

Please Print

Name: _____ Call sign: _____ Email: _____

Address: _____ Phone: () _____

City: _____ State: _____ Zip+4: _____ -

Number of Adults: _____ X \$8 / \$11 = \$ _____

Number of Youth (17 & under): _____ X \$3 / \$5 = \$ _____

(Youth registrations eligible for youth prizes only)

Friday BBQ Cookout / Eyeball QSO Party: _____ X \$6 = \$ _____

Saturday Dutch Oven Dinner: _____ X \$12.50 = \$ _____

Sunday Breakfast Buffet: _____ X \$10 = \$ _____

Total = \$ _____

Names of Additional Attendees (**Name and age of youth**):

_____ Call sign: _____

_____ Call sign: _____

_____ Call sign: _____

_____ Call sign: _____

Must have names and call signs (if applicable) of all registered attendees.

Check or Money orders payable to:

Utah Hamfest
PO Box 382
Bountiful, Utah 84011-0382